

Eric Downing

From: Jean-Luc Menard
Sent: Tuesday, May 28, 2013 2:30 PM
To: Eric Downing; Patrick Smith
Cc: David Shepherd; Linda Lacelle
Subject: BK117 Basket parts

Hi Eric/Pat,

Just to give you a heads up, D4893-1/2 qty of 2 each and d4894-1/-3 qty of 1 each need to ship tomorrow to Calgary to Harvey.

The project # is RD4440.

Parts are being manufactured as we speak.

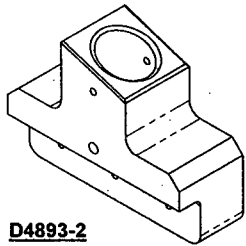
THX

JL

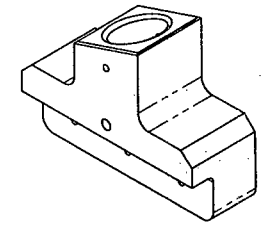
Jean-Luc Ménard
Production Engineering Supervisor

DART AEROSPACE
T 1 613 632-5200 > 227
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com

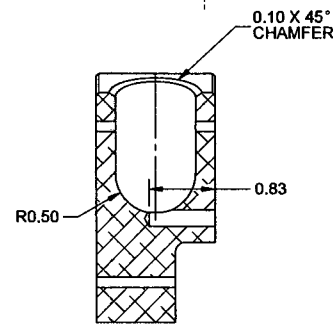
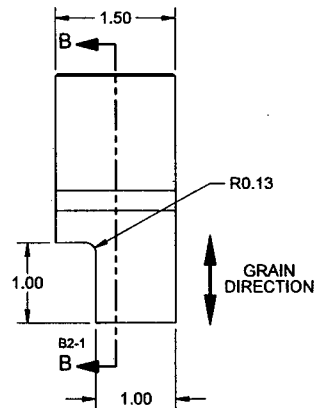
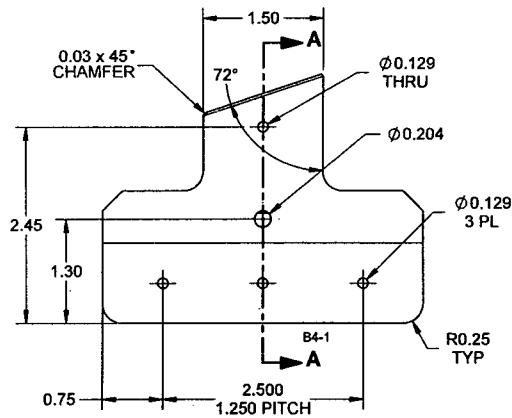




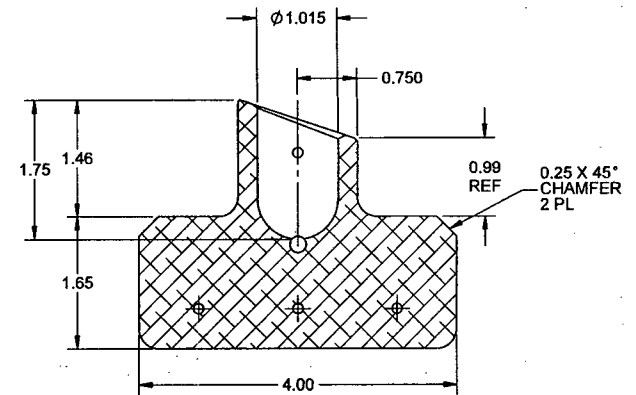
D4893-2



D4893-1



SECTION A-A B7-1



SECTION B-B B6-1

D4893-1 HARD POINT ADAPTER, LH
D4893-2 HARD POINT ADAPTER, RH OPPOSITE

NOTES:

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.90 lbs

PRELIMINARY ISSUE

13.05.24

PA3	NEW ISSUE	RF	13.05.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. PA3
MFG. APPR.	RF	D4893	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARD POINT ADAPTER	NTS
DATE	13.05.24	COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8

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1

D

C

B

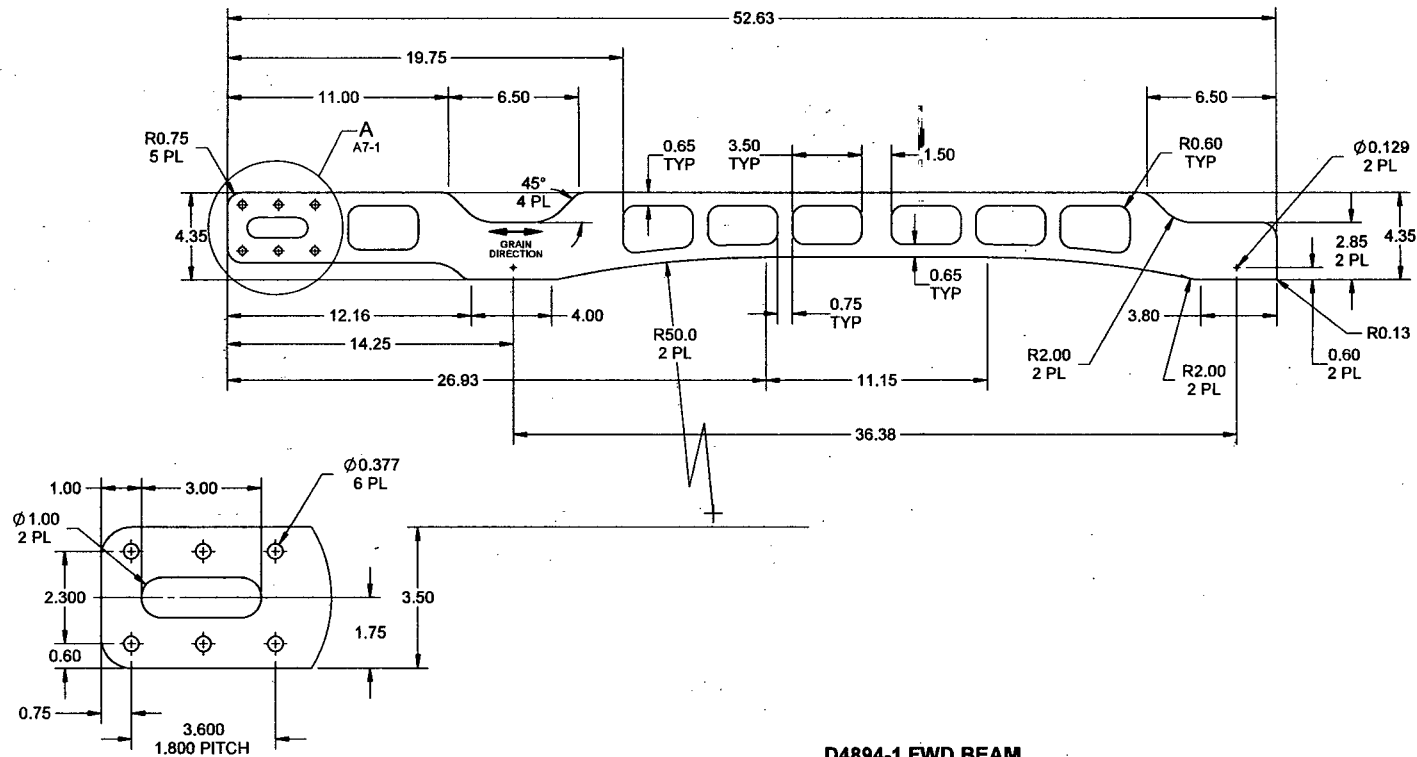
A

D

C

B

A

**D4894-1 FWD BEAM****DETAIL A D7-1****NOTES:**

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 12.00 lbs

PRELIMINARY ISSUE

13.05.24

PA1	NEW ISSUE	RF	13.05.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED			
DE APPR.			
DATE	13.05.24		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADADRAWING NO.
D4894
TITLE
BEAM

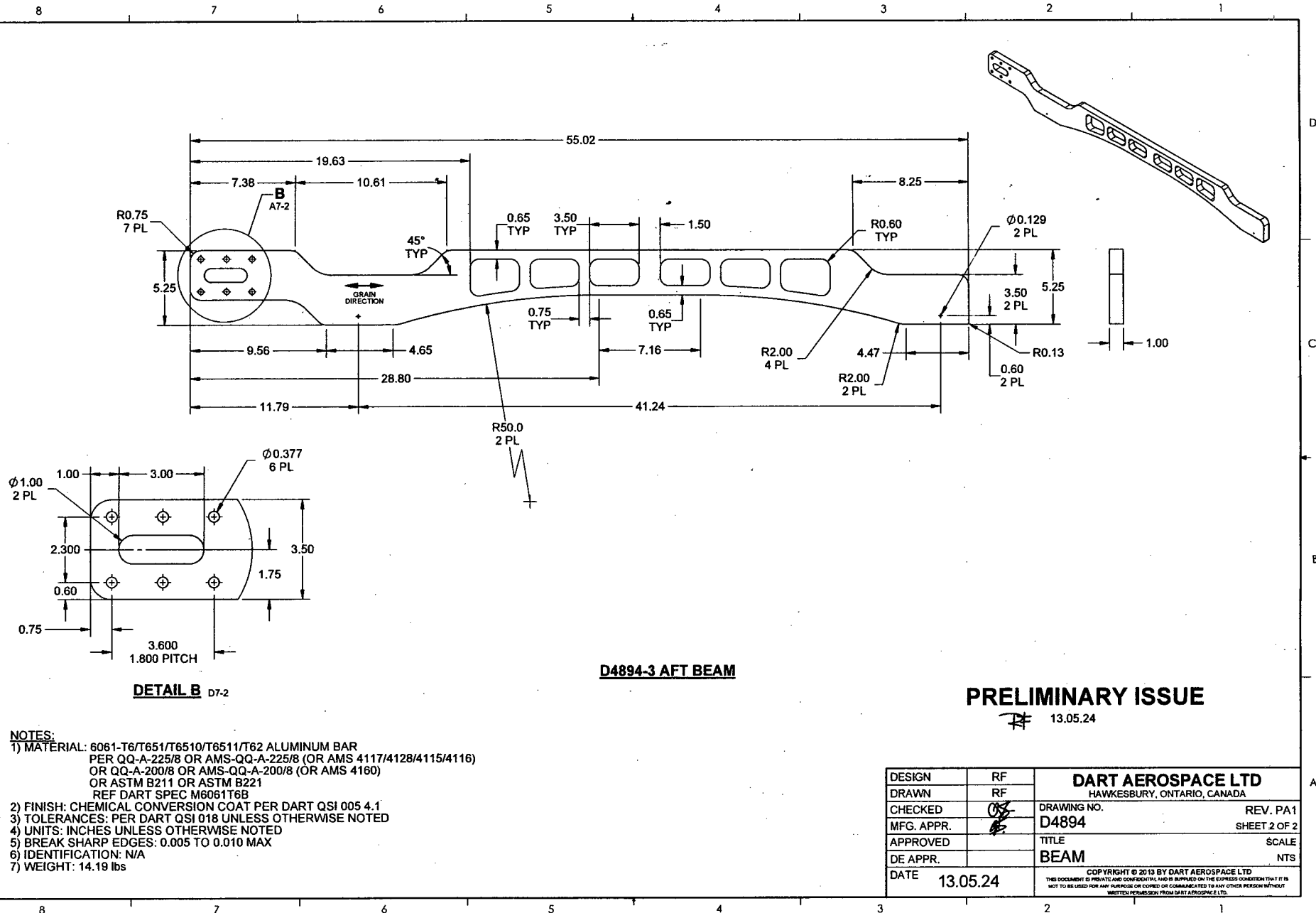
REV. PA1

SHEET 1 OF 2

SCALE

NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.



D4894-3 AFT BEAM

DETAIL B D7-2


PRELIMINARY ISSUE

13.05.24

NOTES:

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 14.19 lbs

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. PA1
MFG. APPR.	<i>[Signature]</i>	D4894	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		BEAM	NTS
DATE	13.05.24	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: ED-2013-05-30-1	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 102520 102521	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	FWD OUTBOARD BEAM ASSEMBLY	D4895-041	1	B102520	PROTOTYPE	
1	ATF OUTBOARD BEAM ASSEMBLY	D4895-043	1	B102521	PROTOTYPE	
12. Remarks: <p>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</p> <p>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE. SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</p>						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release			
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input checked="" type="checkbox"/> Non-approved design data specified in Block 12.			<input type="checkbox"/> Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> .			
13b. Signature DAS 16 9-89 		13c. Approval Organization Number 9-89		14b. Signature		14c. Approved Organization Number
13d. Name Eric Downing		13e. Date (dd/mm/yyyy): 30/May/2013		14d. Name		14e. Date (dd/mm/yyyy):
30 Dec 2008(Previously form 24-0078)						
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						



DART AEROSPACE LTD
1270 Aberdeen Street
Hawkesbury, ON, K6A 1K7
CANADA

Tel: 613 632 5200
Fax: 613 632 1185

EMail: heli@dartaero.com
Web Site: www.dartaero.com

CERTIFICATE OF CONFORMANCE

CUSTOMER: EAGLE COPTERS MAINTENANCE

PURCHASE ORDER: ROBERTO RD 4440 BK 117 BASKET

Part Number	Description	Qty	Batch
MS20002C6	WASHER	12	114633
AN4-13A	BOLT	4	125388
AN4-17A	BOLT	4	124092
AN5-23A	BOLT	12	111321
AN6-17A	BOLT	12	124805
MS21042L4	NUT	4	125535
MS21042L5	NUT	12	125654
MS21042L6	NUT	12	125535
NAS1149D0416J	WASHER	12	123741
NAS1149D0516J	WASHER	24	123352
NAS1149D0616J	WASHER	24	120418

PACKING SLIP: N/A

ALL MATERIALS, PARTS OR COMPONENTS HAVE BEEN INSPECTED AND COMPLY WITH THE PURCHASE ORDER REQUIREMENTS.

DATE: MAY 30, 2013

DAS
16
BY: ERIC DOWNING 13/05/28
APPROVED QA SIGNATORY

H:\forms\Order Processing\approved OP Online\CofC rev B

DART Aerospace Ltd.

1270 Aberdeen Street, Hawkesbury, ON K6A 1K7 CANADA
Tel.: 1-613-632-5200 Fax: 1-613-632-5246 www.dartaero.com heli@dartaero.com

Linda Lacelle

From: Roberto Fuentes
Sent: May-30-13 11:16 AM
To: Harvey Siemens; Jean-Luc Menard; Eric Downing; Patrick Smith
Cc: David Shepherd; Nigel Forbes; Linda Lacelle
Subject: RE: BK 117 REMAINING PARTS

Linda,

If you have in stock can you send me the following hardware with D4895-041/-043 please (note to my attention to hold pick up).

PARTS LIST

Qty -011	Qty -111	Part Number	Description
X		D117-837-011	HELI-UTILITY-BASKET, LH/RH
1	X	D117-837-111	BASKET MOUNTING KIT
4		AN4-13A	BOLT M120358
	4	AN4-17A	BOLT M124092
	12	AN5-23A	BOLT M123121 111321
	12	AN6-17A	BOLT M124805
	4	MS21042L4	NUT M120535
	12	MS21042L5	NUT M125654
	12	MS21042L6	NUT M125535
4	8	NAS1149D0416J	WASHER (or AN960JD416L) M123941
	24	NAS1149D0516J	WASHER (or AN960JD516L) M123352
	24	NAS1149D0616J	WASHER (or AN960JD416L) M120918

Thanks,
Roberto

204440

From: Harvey Siemens
Sent: May-30-13 8:57 AM
To: Jean-Luc Menard; Eric Downing; Patrick Smith
Cc: David Shepherd; Nigel Forbes; Linda Lacelle; Roberto Fuentes
Subject: RE: BK 117 REMAINING PARTS

Thanks for the update JL,

Please ship – Hold for pick up at the depot. Send to Roberto's attention.

Thanks again.

Regards,

Harvey

Linda Lacelle

From: Roberto Fuentes
Sent: May-30-13 2:10 PM
To: Jean-Luc Menard; Linda Lacelle
Cc: David Shepherd; Nigel Forbes; Eric Downing; Patrick Smith; Harvey Siemens
Subject: RE: BK 117 REMAINING PARTS

Sorry last minute, can you send with the hardware ~~(12) MS21250-06022 bolt~~ and (12) MS20002C6 washer if you have in stock. Harvey remember was need it on 350 basket, so we may need for BK117 basket as well.

Thanks,
Roberto

From: Jean-Luc Menard
Sent: May-30-13 11:48 AM
To: Roberto Fuentes; Linda Lacelle
Cc: David Shepherd; Nigel Forbes; Eric Downing; Patrick Smith; Harvey Siemens
Subject: RE: BK 117 REMAINING PARTS

I will try to get the parts weighed but no promises, we are cutting it pretty close as is with fedex to ship the parts.
JL

From: Roberto Fuentes
Sent: May-30-13 1:40 PM
To: Linda Lacelle; Jean-Luc Menard
Cc: David Shepherd; Nigel Forbes; Eric Downing; Patrick Smith; Harvey Siemens
Subject: RE: BK 117 REMAINING PARTS

Please record the weight of the parts and hardware and let know that please.

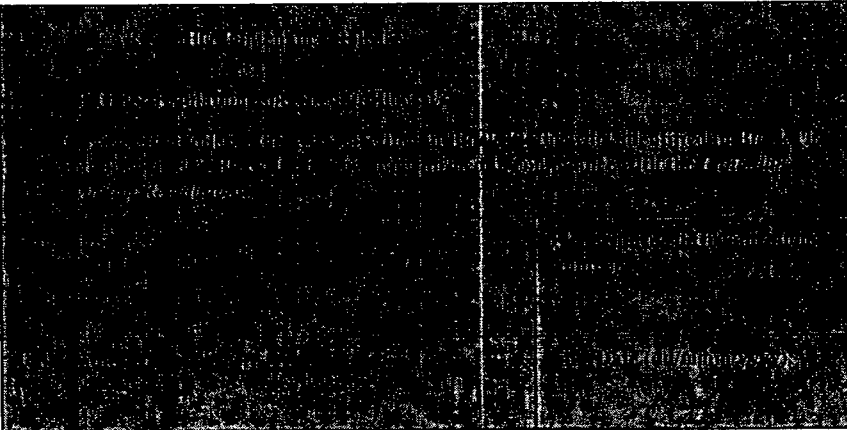

Thanks,
Roberto

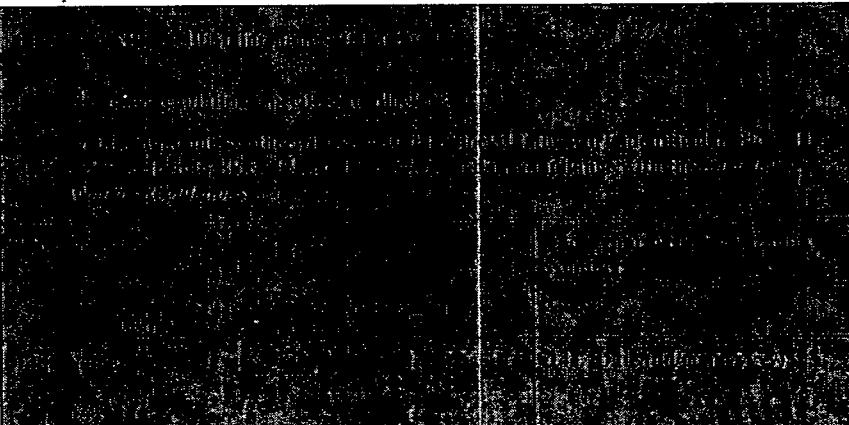

From: Linda Lacelle
Sent: May-30-13 11:38 AM
To: Roberto Fuentes; Jean-Luc Menard
Cc: David Shepherd; Nigel Forbes; Eric Downing; Patrick Smith; Harvey Siemens
Subject: RE: BK 117 REMAINING PARTS

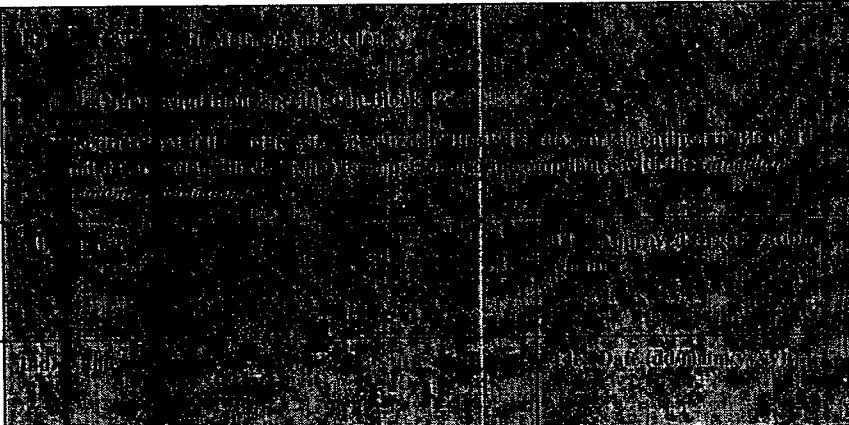

Parts are in my office, JL, come get them to package with the other parts you are sending pls
LL

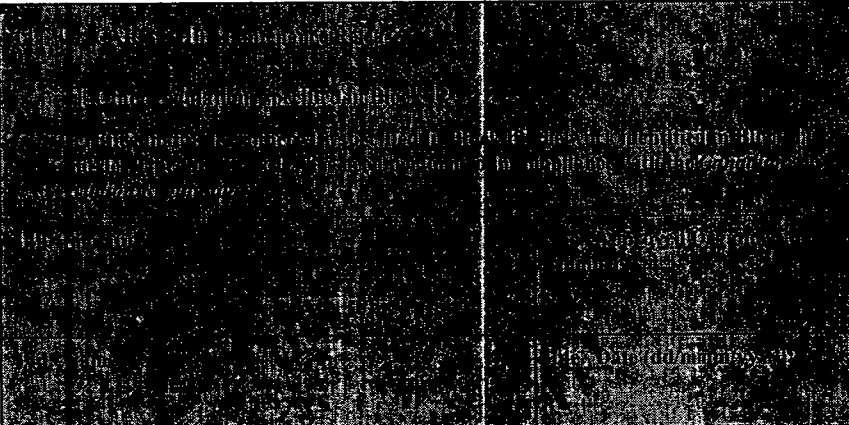

From: Roberto Fuentes
Sent: May-30-13 11:16 AM
To: Harvey Siemens; Jean-Luc Menard; Eric Downing; Patrick Smith
Cc: David Shepherd; Nigel Forbes; Linda Lacelle
Subject: RE: BK 117 REMAINING PARTS

Linda,

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: ED-2013-05-29-3	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 102515	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Hard Point Adapter LH	D4893-1	2	B102515	PROTOTYPE	
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u>						
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input checked="" type="checkbox"/> Non-approved design data specified in Block 12.						
13b. Signature  13/05/29		13c. Approval Organization Number 9-89				
13d. Name Eric Downing		13e. Date (dd/mm/yyyy): 29/May/2013				
30 Dec 2008(Previously form 24-0078)						
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: ED-2013-05-29-4	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 102516	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Hard Point Adapter RH	D4893-2	2	B102516	PROTOTYPE	
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u>						
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<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input checked="" type="checkbox"/> Non-approved design data specified in Block 12.						
13b. Signature 						
13d. Name Eric Downing			13c. Approval Organization Number 9-89 13e. Date (dd/mmm/yyyy): 29/May/2013			
30 Dec 2008(Previously form 24-0078)						
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: ED-2013-05-29-1	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 102511	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Aft Beam	D4894-3	1	B102511	PROTOTYPE	
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u>						
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13b. Signature  13c. Approval Organization Number 9-89						
13d. Name Eric Downing			13e. Date (dd/mmm/yyyy): 29/May/2013			
30 Dec 2008(Previously form 24-0078)						
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1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: ED-2013-05-29-2	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 102510	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Fwd Beam	D4894-1	1	B102510	PROTOTYPE	
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u>						
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13b. Signature  13/05/29						
13d. Name Eric Downing			13c. Approval Organization Number 9-89		13e. Date (dd/mm/yyyy): 29/May/2013	
30 Dec 2008(Previously form 24-0078)						
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						